

ABSTRACT

A low stress to seal, unitary gasket is provided that is particularly suited for applications requiring large gaskets. Gaskets of the present invention
5 preferably comprise at least two windings of expanded PTFE tape wound at an increasing distance around a gasket inner periphery, wherein a substantially air impermeable layer is interposed between the tape windings. Preferably, the plane of the expansion of the ePTFE is substantially parallel to the flange surface, providing longitudinal and transverse strength. The substantially air
10 impermeable layer prevents fluid from permeating through the gasket in the radial direction.